

River. At Clarksburg, 12.55 inches of rain occurred during the month. Three stations in the vicinity of Pittsburgh reported monthly rainfall in excess of 10 inches.

On the afternoon and evening of September 23, very heavy local precipitation in Pleasants and Tyler Counties, W. Va., and eastern Washington County, Ohio, produced severe flash floods in several small streams. The greatest damage occurred at Wick, W. Va., where Rush Fork and Walnut Run enter Sugar Creek. The entire town was flooded. Middle Island Creek at Middlebourne, W. Va., rose rapidly, and at its crest, the water was 7 feet deep in the streets. Many homes and buildings were washed away, and considerable damage was done to crops. Rainfall records in the vicinity are as follows: Bens Run, 2.09 inches (total for storm); St. Marys, 4.57 inches in less than 12 hours; Middlebourne, 4.09 inches in less than 24 hours, 3.19 inches in 12 hours, and 1.83 inches in 1 hour.

Excessive rains during the period September 13-19 in the upper New River basin in Virginia and West Virginia produced moderately high flood stages. Rainfall during this period ranged from 4 to over 9 inches in the basin above Hinton, W. Va. About half of this occurred on September 17-18 in connection with the tropical disturbance that moved slowly northward through central North Carolina.

*Arkansas, White, and Red basins.*—Heavy rains during the last week of the month in southern Kansas, most of Oklahoma and Arkansas, and southern Missouri resulted in extensive flooding. Rivers were generally rising at the close of the month, and although in high flood, no records were in prospect except for near record stages at some points in Oklahoma. The principal streams in flood were the Little Arkansas, Walnut, Cimarron, Verdigris, Neosho, Canadian, Arkansas, and Washita Rivers. Flood stages in the Arkansas River extended from Arkansas City, Kans. to Dardanelle, Ark.

### FLOOD STAGE REPORT FOR SEPTEMBER 1945

[All dates in September unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest <sup>1</sup>	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
	<i>Feet</i>			<i>Feet</i>	
Perkiomen Creek: Gratersford, Pa. ....	8	18	19	11.6	18-19
Schuylkill: Philadelphia, Pa. ....	11.5	19	19	12.6	19
Chenango: Sherburne, N. Y. ....	8	19	19	8.9	19
Susquehanna: Oneonta, N. Y. ....	12	19	20	13.3	19
South Branch: Springfield, W. Va. ....	15	18	19	16.25	19
North Fork: Cootes Store, Va. ....	15	18	18	15.9	18
Shenandoah: Riverton, Va. ....	22	19	19	22.0	19
Potomac:					
Harpers Ferry, W. Va. ....	18	19	20	18.5	19
Washington (near), D. C. ....	10	18	21	13.9	20
James:					
Bremo Bluff, Va. ....	19	18	20	23.1	19
Columbia, Va. ....	10	18	21	24.5	19
State Farm, Va. ....	12	19	20	15.8	19
Richmond, Va. ....	8	19	20	10.7	20
Dan: Danville, Va. ....	11	17	20	21.3	19
Roanoke: Randolph, Va. ....	21	18	21	28.7	20
Weldon, N. C. ....	31	17	24	48.8	22
Williamston, N. C. ....	10	21	( <sup>2</sup> )	15.0	26
Fishing Creek: Enfield, N. C. ....	14	18	22	16.0	21

<sup>1</sup> Provisional.

<sup>2</sup> Estimated.

<sup>3</sup> Continued at end of month.

### FLOOD STAGE REPORT FOR SEPTEMBER 1945—Con.

River and station	Flood stage	Above flood stages— dates		Crest <sup>1</sup>	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE—continued					
Tar:	<i>Feet</i>			<i>Feet</i>	
Rocky Mount, N. C.	9	17	24	13.5	22
Tarboro, N. C.	18	19	27	27.1	24
Greenville, N. C.	13	19	29	19.2	25-26
Neuse:					
Neuse, N. C.	14	15	25	26.0	20
Smithfield, N. C.	13	16	27	26.0	20
Goldshoro, N. C.	14	18	( <sup>3</sup> )	26.7	23
Kingston, N. C.	14	20	( <sup>3</sup> )	22.4	27
Haw: Moncure, N. C.	20	16	21	39.0	18
Cape Fear:					
Fayetteville, N. C.	35	16	25	68.9	21
Lock No. 2, Elizabethtown, N. C.	20	16	28	43.2	23
Lynches: Eflingham, S. C.	14	17	27	21.2	22
Waccamaw: Conway, S. C.	7	17	( <sup>3</sup> )	8.8 (11.2)	19 29-30
Pee Dee:					
Cheraw, S. C.	30	16	22	49.4	19
Mars Bluff Bridge, S. C.	17	17	( <sup>3</sup> )	31.3	22
Black: Kingstree, S. C.	12	17	26	16.1	20
Saluda:					
Pelzer, S. C.	6	17	18	6.4	17-18
Chappells, S. C.	13	18	18	13.5	18
Broad:					
Gaffney, S. C.	10	17	20	15.4	18
Blairs, S. C.	14	16	21	28.8	19
Congaree: Columbia, S. C.	19	17	20	24.3	19
Catawba:					
Catawba, N. C.	8	17	20	24.6	18
Catawba, S. C.	11	16	20	23.2	19
Wateree: Camden, S. C.	23	17	22	33.9	18
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Meramec: Pacific, Mo.	11	28	28	13.5	28
Ohio Basin					
West Fork: Clarksburg, W. Va.	5	18	19	6.4	18
New:					
Ivanhoe, Va.	15	18	18	17.25	18
Radford, Va.	14	18	18	17.0	18
West Fork: Edwardsport, Ind.	12	28	( <sup>3</sup> )	15.3	30
White Basin					
Black: Black Rock, Ark.	14	25	26	15.4	25
Arkansas Basin					
Little Arkansas: Sedgwick, Kans.	18			24.1	28
Walnut: Winfield, Kans.	23	28	( <sup>3</sup> )		
Cimarron: Perkins, Okla.	11	29	( <sup>3</sup> )		
Verdigris:					
Independence, Kans.	36	25	28	40.2	26
Claremore, Okla.	38	29	( <sup>3</sup> )		
Cottonwood:					
Cottonwood Falls, Kans.	9	28	28	9.2	28
Emporia, Kans.	20	29	( <sup>3</sup> )	12.0	29
Neosho:					
Neosho Rapids, Kans.	22	29	( <sup>3</sup> )		
Burlington, Kans.	27	30	( <sup>3</sup> )		
LeRoy, Kans.	23	29	30	23.3	29
Iola, Kans.	15	29	( <sup>3</sup> )		
Chanute, Kans.	20	29	( <sup>3</sup> )		
Parsons, Kans.	22	30	( <sup>3</sup> )		
Oswego, Kans.	17	24	26	19.7	25
North Canadian: Canton, Okla.	9	28	28	9.1	28
Canadian: Union, Okla.	7	30	30	7.0	30
Poteau: Poteau, Okla.	21	27	( <sup>3</sup> )		
Arkansas:					
Arkansas City, Kans.	16	28	( <sup>3</sup> )	19.7	30
Ralston, Okla.	16	29	( <sup>3</sup> )		
Tulsa, Okla.	12	29	( <sup>3</sup> )		
Webbers Falls, Okla.	23	28	( <sup>3</sup> )		
Fort Smith, Ark.	22	28	( <sup>3</sup> )		
Van Buren, Ark.	22	29	( <sup>3</sup> )		
Dardanelle, Ark.	22	29	( <sup>3</sup> )		
WEST GULF OF MEXICO DRAINAGE					
Trinity: Liberty, Tex.	24	2	3	24.4	2

<sup>3</sup> Continued at end of month.